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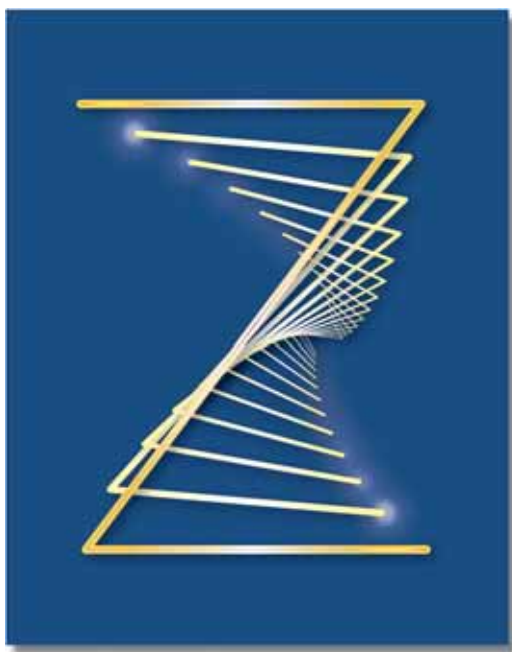
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**Institute for Chemical Research
Kyoto University**
Volume 11

Preface



The history of the Institute for Chemical Research (ICR) dates back to 1915, when a specialized Center was established within Kyoto University. This Center conducted research and production of Salvarsan and other pharmaceutical products, and laid the base for the ICR. The ICR was formally established in 1926 with the founding philosophy of “Conducting Fundamental Studies and Exploring Their Application to Special Fields of Chemistry”. The present ICR consists of five major Research Divisions and three affiliated centers, where a total of 106 full-time faculty members and 230 graduate students form the 36 laboratories (5 of which are guest laboratories).

The ICR is extremely active in a wide range of research fields covering chemistry, physics, biology, and informatics. Many members of our staff have participated in major national projects such as the 21st Century COE (Center of Excellence) Program and also in commissioned researches, that have generated outstanding results in advanced research fields.

At the ICR we have also made extensive contributions to education. Each laboratory is affiliated with one of the Graduate Schools including Science, Engineering, Agriculture, Pharmaceutical Sciences, Medicine, Informatics, and Human and Environmental Studies of Kyoto University. The high standard of degree we award at the ICR every year represents our devotion in the field of professional education. At the same time, we provide the public with opportunities to visit the ICR by holding lectures and tours on a regular basis.

April 1, 2004, saw the birth of the “National University Corporation, Kyoto University”, a change enabling Kyoto University to explore more independence in its administration. ICR has taken this change one step further to create an environment with even more active research motivation. We reorganized the ICR to the present system and improved the mobility of our staff by implementing a tenure track system. We will further invest our energy to strengthen our “social contributions” based on the concept of “Science in society and science for society” (a proclaim made at the 1999 World Conference on Science and the Use of Scientific Knowledge). Of course, this should go hand in hand with the idea of “science for the sake of science”. We encourage young researchers to challenge their interdisciplinary boundaries at the ICR, the great melting pot, to form inspiring concepts leading to great discoveries.

We invite you to look into our recent achievements and the scope of our future.

January 2005

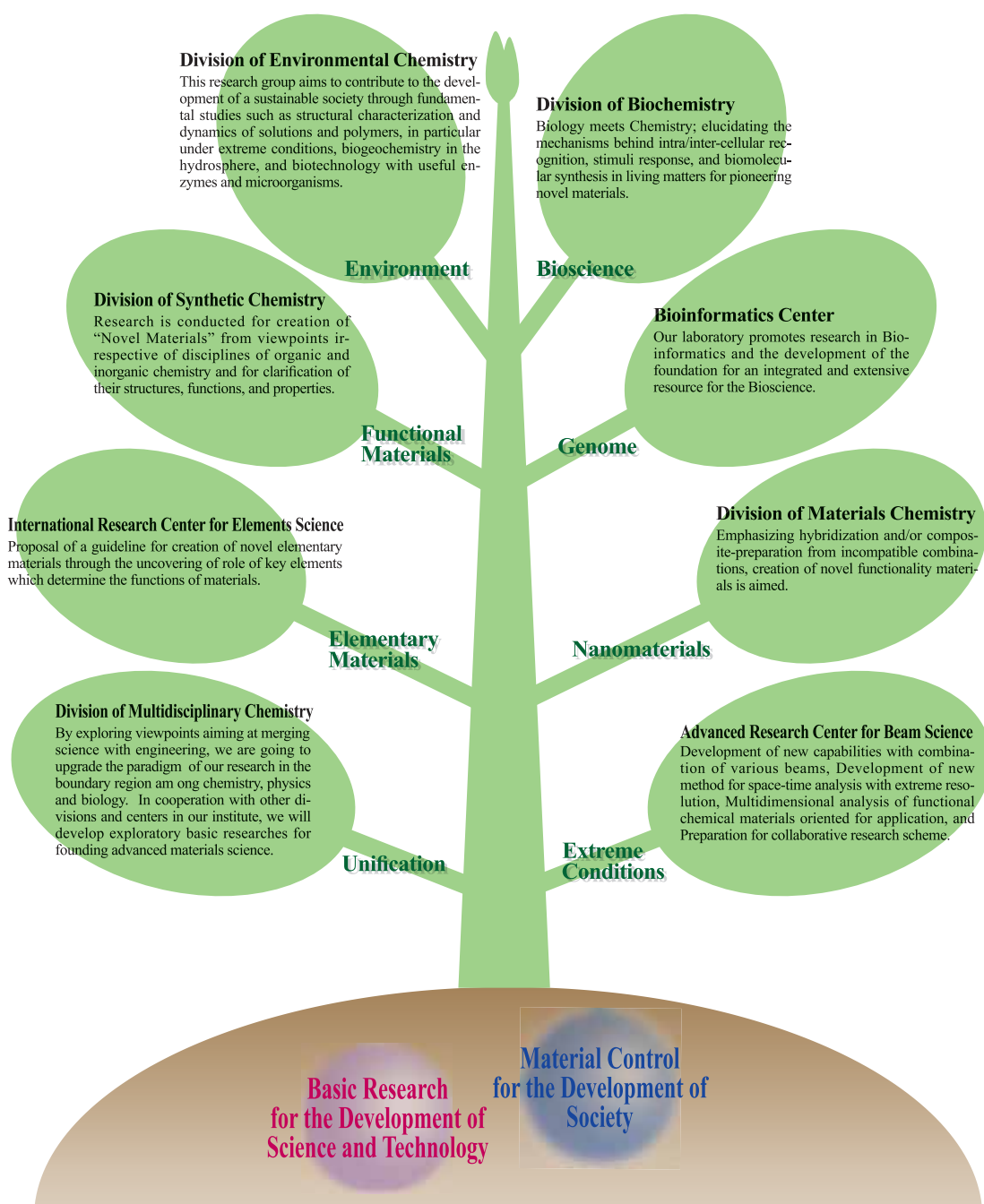
A handwritten signature in black ink, reading 'Mikio Takano' in a cursive, slightly stylized script.

Mikio Takano
Director

ICR News 2004

“Challenge and Innovation” Reorganization of the Institute for Chemical Research

The Institute for Chemical Research was reorganized in 2004 to five Research Divisions and three Research Centers.



The Establishment of “Advanced Research Center for Beam Science”



■ Director of ARBS: Prof NODA, Akira

In order to organize the interdisciplinary research among different individual scientific researches related with beams, the Advanced Research Center for Beam Science has been started from April 1, 2004 combining Nuclear Science Research Facility with two laboratories of “Atomic and Molecular Physics” and “Electron Microscopy and Crystal Chemistry”. The center is composed of the four laboratories oriented for Particle Beam Science, Laser Matter Interaction Science, Electron Microscopy and Crystal Chemistry and Structural Molecular Biology. The role of the center is not only stimulating the collaborations among these laboratories but also to initiate the collaborations with the outside groups both in and out of our institute.

On 24 April 2004, the opening of the center was celebrated with the talks given by Prof. Bunzo Tsuji, Vice President of Kyoto University, Prof. Noboru Sasao, Dean of the Graduate Course of Science, Prof. Hiroyuki Tomita, Dean of Graduate School of Human and Environmental Studies, Dr. Satoru Yamada, Director of Department of Accelerator Physics and Engineering, National Institute of Radiological Sciences, and Prof. Igor Meshkov, Director of Science, Joint Institute for Nuclear Research, Dubna and Member of Academy of Science, Russia.



The Opening Ceremony of the Advanced Research Center for Beam Science, 24 April 2004.

■ <http://sun.scl.kyoto-u.ac.jp/~sakabe/ARBS-Home.html>

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Abbreviations used in the columns

Prof Em	Professor Emeritus	A Res	Assistant Researcher
Prof	Professor	RF	Research Fellow
Vis Prof	Visiting Professor	RS	Research Student
Assoc Prof	Associate Professor	GS	Graduate Student
Vis Assoc Prof	Visiting Associate Professor	DC	Doctoral Course (Program)
Lect	Lecturer	MC	Master's Course (Program)
Lect(pt)	Lecturer (part-time)	UG	Undergraduate Student
Assist Prof	Assistant Professor	D Sc	Doctor of Science
Vis Assist Prof	Visiting Assistant Professor	D Eng	Doctor of Engineering
Res Associate	Research Associate	D Agr	Doctor of Agricultural Science
Techn	Technician	D Pharm Sc	Doctor of Pharmaceutical Science
Guest Scholar	Guest Scholar	D Med Sc	Doctor of Medical Science
Guest Res Assoc	Guest Research Associate	D Inf	Doctor of Informatics
PD	Post-Doctoral Research Fellow	Ph D	Doctor of Philosophy
Res	Researcher		